

Materials List for:

Studying Surfactant Effects on Hydrate Crystallization at Oil-Water Interfaces Using a Low-Cost Integrated Modular Peltier Device

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URL: <https://www.jove.com/video/60391>

DOI: [doi:10.3791/60391](https://doi.org/10.3791/60391)

Materials

Name	Company	Catalog Number	Comments
1/16 in. Swagelok 316 stainless steel T-fitting	Swagelok		
19 gauge PTFE tubing	Scientific Commodities, Inc.		
19-gauge needle (model: 1001 LTSN SYR)			
1-Wire DS18B20 - waterproof digital temperature sensor			
Anti fog	RainX		
Arduino Leonardo open-source microcontroller			
Brass tubing 1/16 in.	K&S Precision Metals		
Chemyx Fusion 100 Infusion Pump	Chemyx		
cMOS camera acA640-750um	Basler		
Cyclopentane 98% extra pure	ACROS organics	AC111481000	
Fiber optic goose-neck lamp 150W	AmScope		
Fotodiox macro extension tubes, 35 mm			
Hamilton glass syringe 1 mL	Hamilton		
ImageJ software			
Kipon EOS to C-mount adapter	Kipon		
Lens 28-90 mm	Canon		
Mathematica software	Mathematica		
OMEGA PX409-10WGUSBH pressure transducer	OMEGA		
Peltier plate TEC1-12715	Amazon		
Pluronic L31 (PEG-PPG-PEG)	Sigma Aldrich	9003-11-6	
Pylon Viewer v5.0.0.6150	Basler		
Span 20 (Sorbitan laurate, Sorbitan monolaurate)	Sigma Aldrich	1338-39-2	
Span 80 (Sorbitan Monooteate)	Sigma Aldrich	1338-43-8	
Thermaltake NiC C4 120mm CPU cooler	Thermaltake		
Tween 65 (Polyoxyethylenesorbitan Tristearate)	Sigma Aldrich	9005-71-4	
variable Tooluxe DC power supply			